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Nation's Big Library Combines Beauty, Usefulness, Inspiration

Wonderful Structure Houses About Three Million Volumes, Representing More Than Eighty Languages—Has 102 Miles of Shelving in Use - Whole Block Was Razed to Make Room for Building.

BY JAMES A. BUCHANAN. TIE Congressional Library is the

most beautiful edifice of its kind in the world. It is also the third largest. The structure entire block was razed to procure the The building was started in 1889 and completed in 1897. The cost, exclusive of the site, was more than six million dollars. Italian renaissance is the style of architecture.

The building has three stories and dome. The building proper covers nearly three and one-half acres of ground, being 470x340 feet. There are four large inner courts, 150x75 to 100 feet. The two thousand windows add in making it the best lighted Library in the world.

There is the great central rotunda, which is the reading room. From this radiate the bookstacks and the numerous galleries and pavilions White granite from New Hampshire was used for the exterior walls, the inner courts being constructed of Maryland granite and white enam eled bricks.

On the ground floor is the superintendent's office. The first floor con tains the reading room, the librarian's room, the room devoted to the use o senators and representatives, the map room and the periodical reading room On the second floor are the pavilion and galleries where one finds the ex hibits of engravings and other collections, such as rare books, portraits of the Presidents and other distinguished personages, first editions, etc.

THE dome, pronounced by critics the most beautiful of its kind in existence, is finished in black copper, the panels being gilded with a thick coating of gold leaf. While to the average reader this gold-leaf roof may seem to have been a bit of extravagance, yet it really has proved to be a most economic and satisfactory roofing. The cresting of the iome above the lantern, which is 195 feet from the ground, terminates in gilded finial, representing the orch of science, ever burning.

There are thirty-three windows in corner pavilion and the facade, where one sees carved heads representing races of mankind. The types employed are: Russian Slav, lond European, brunette European modern Greek, Persian, Circassian, Hindoo, Hungarian, Jew, Arab, Turk, nodern Egyptian, Abyssinian, Malay Polynesian, Australian, Negrito, Zulu. Papuan, Sudan Negro, Akka, Fuegian, Botocudo, Pueblo Indian, Eskimo. Plains Indian, Samovede, Korean Japanese, Ainu, Burmese, Tibetan and

IUST below the stairway leading to the main entrance of the building is the celebrated bronze fountain.

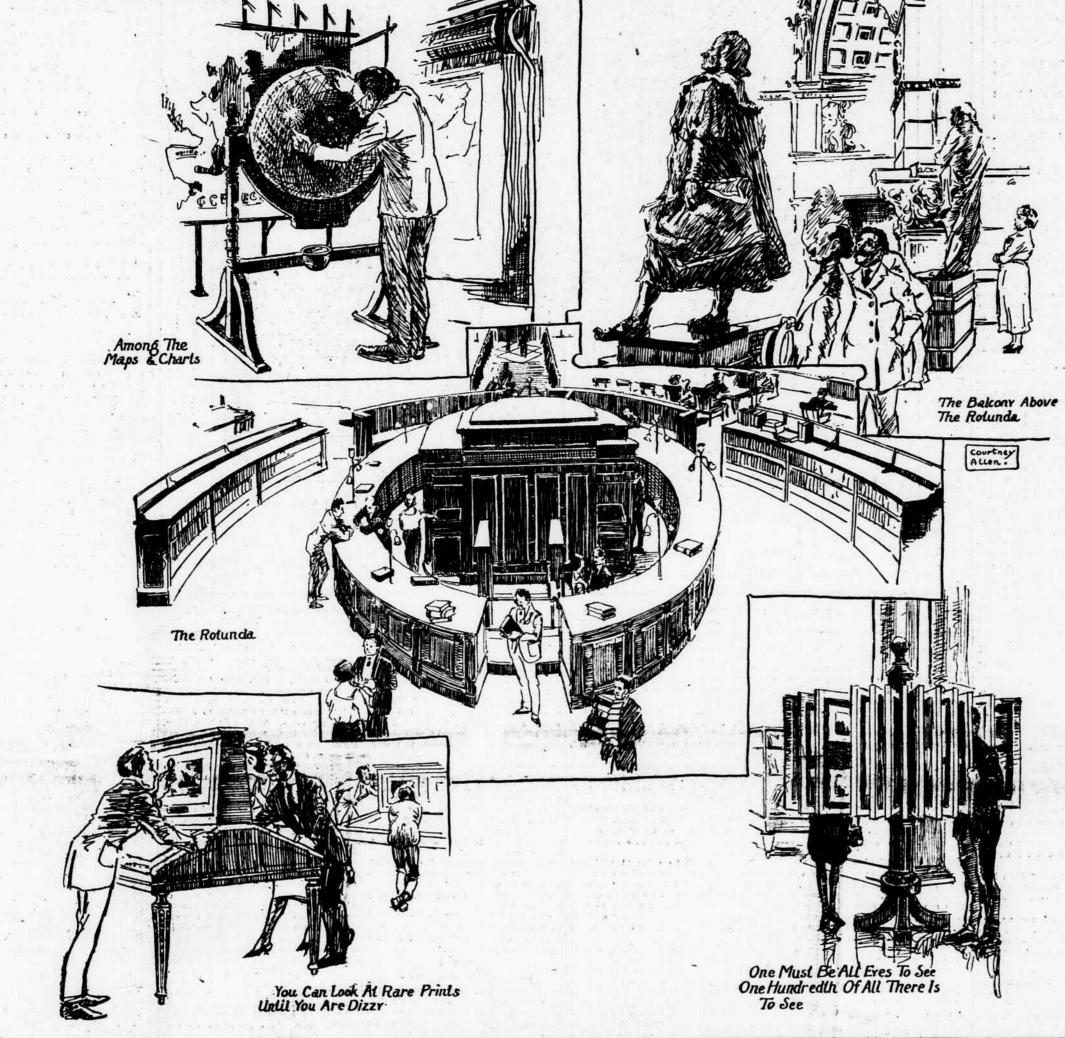
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esent Emerson and Irving, Goethe. and Asia (with dragon vase). Franklin, Macaulay, Hawthorne, Scott,

Another bronze door represents croft. Writing. Here is shown a mother instructing her child from the writen record of the scroll. There is an Egyptian scribe with his stylus, a Jawish natriarch a Greek with his brass in the floor, surrounded by the lyre and a Christian with his cross. signs of the zodiac. At either side are The bronze door, Tradition, typifies a the pavilions and corridors with paint woman reciting her story to a boy, ings to depict that which goes to make while her listeners are four repre- up an education. Here one may gaze sentative types of mankind-a Norse upon beautiful decorations showing the warrior, with winged cap and battle muse of lyric poetry, Uriel, Boy of ax; a shepherd, with his crook; a Winnader, Comus, Adonis, Endymion, primitive man, with his stone ax, Ganymede, joy and memory, Paris at bell's discoveries and scientific work and an American Indian, with his the court of Menelaus and Helen, with bats and mosquitoes. It was in imported bats and soon had a thriv-skirts of San Antonio. This was so that the legislature of the state of arrows. The Indian figure is a por- | Bellerophen, Perseus, Prometheus, Thetrait of Chief Joseph of the Nes seus, Achilles, Hercules, Jason, Orpheus,

ined with fine Italian marble and manuscript, the printing press, floating they were immune to the disease colished to a high degree. On the scroll bearers, the family, labor, study, that wrought such havoc with human sides are rounded columns with carv- recreation, rest, religion, Clio-history, ed capitals of Corinthian design. The Thalia-gayety, pastoral life and comedy. arches are adorned with marble Enterpe-lyric poetry, mistress of song;

all is seventy-two feet. There are twenty-six miniature hymnia-inspired song, sacred music. narble figures, representing in emlematic sculpture the various arts use of members of the House of Reprelobe showing these continents. On the balustrade above are Comedy, malign serpents, and violence with sword and terch,



The figures of the north stairway Court of Neptune," strikingly beau- are: Gardener with rake and spade; There are sixteen rounded pillars press and type; musician with lyre with Corinthian capitals at the en- and music book; physician with morrance pavillon. Four colossal at- tar, retort and serpent; electrician lantes support the pediment, on which with telephone and electric light, and are sculptured American eagles with astronomer with telescope, globe and supporting figures of children. The compasses. On the buttress are Euine colossal portraits in granite rep- rope (with lyre, book and column)

The balustrade figures are Painting. Damosthenes and Dante. Over the Architecture and Sculpture. In the entrance are sculptures typifying cove of the ceiling are Martiny's fly-Liferature, Science and Art. The ing half-figures supporting the deorense doors represent Printing, vice of lamp and book. Tablets bear which shows Minerva presiding over the names of Moses, Herodotus he "diffusion of the products of the Dante, Homer, Milton, Bacon, Aristypographical art." There is a legend, totle, Goethe, Shakespeare, Moliere, 'Homage to Gutenberg," the inventor Cervantes, Hugo, Scott, Cooper, Longfellow, Tennyson, Gibbon and Ban-

THE points of the compass radiate from a conventional sun inlaid in government, good administration, peace and prosperity, corrupt legislation, L'NTERING the vestibule, one faces anarchy, the cairn, oral tradition, the beautiful central stair hall, hieroglyphics, the pictograph, the osettes, palm leaves and foliated de- Terpsichore-choral dance; Urania The height of this entrance astronomy; Calliope epic poetry and eloquence; Erato-love poetry; Poly-

nd sciences. In the south stairway sentatives are rich and beautiful mosaic railing the sculptures are: Mechanic mantels. Law is represented by a armer with sickle and sheaf of her feet are doves of peace, a bound heat, fisherman with rod and fish, volume of the statutes and the scales of oldier with helmet, chemist with justice. In her hand she helds the palm be showing these continents. On sword halting fraud, discord with

In the reading room devoted to the

That devoted to history shows the Guizot, Von Ranke, Bancroft and Mot- the story she tells. Back of mythology lows: Indigo, the light of science; THE celling of the room devoted to recording pen and gold-clasped volume. ley. On the left is mythology, and be- are the pyramids of Egypt, back of blue, the light of truth; green, the tiful and composed of tritons, sea entomologist with net and specimen The panels contain the names of great side her a winged sphinx and Pan- history the Parthenon of Greece, and light of research; yellow, the light of nymphs, frogs, seahorses, turtles and case; student with mortar-board, cap historians such as Herodotus, Thucy- dora's box. To the right is the figure beyond tradition the Colosseum of creation; orange, the light of progand book; printer in paper cap with dides, Polybius, Livy, Tacitus, Baeda, symbolic of tradition, while by her Rome. The seven primary colors are ress; red, the light of poetry, and vio-

de Comines. Hume, Gibbon, Niebuhr, side sits a young poet, who will sing shown in the ceiling panels, as fol- let, the light of state. Happy Homes Provided for Bats In Campaign for Public Health

BY W. D. HORNADAY. SAN ANTONIO, Tex., June 24. VITH a tuning fork and a flying mammal a scientist its deadliest diseases. The dark and secretive bat, with its wings of velvet and sable, performs this

service while the world sleeps. Malaria, the disease that competes with tuberculosis and cancer in its heavy toil of life, has found its demise when science protects and shelters

Preparing a home for bats and results of Dr. Charles A., R. Camp-San Antonio, the home of Dr. Campfor the purpose of ridding the city of the pestilential malarial mosquito. For years and years Dr. Campbell experimented on bats to discover why beings. The results of his research have received world-wide attention

It took a great many years for Dr. Campbell to be sure of the cause for the difference between the susceptibility of the bat and that of other mammals. The great difference in mosquitoes without being affected.

graph, a jass record and a small boy and in a year the place was cleared stationed on the top of a hunting of mosquitoes, while millions of bats years for the cradication of malaria graph, a jass record and a small boy

the mammals in the early morning land is now inhabited by fine healthy ural enemy of mosquitoes; and they flew two miles away, entered from the waters of the lake, Malaria another hunting lodge and never re- is almost unknown among the people turned to the one in which they had dwelling in that locality. been living for two years.

cordant or strident noises are the the blood of the mosquito after the most irritating of sensations.

the mammal that no sound below in search of just such important the bat as the natural enemy of the high C will vibrate the drum. Dr. atoms as mosquitoes, there is little use of a tuning fork. A farmer in after it is old enough to fly abroad at safeguarding the life of each bat eastern Texas was losing great num- night. with a fine of \$5 to \$200 were the bers of cattle from the effects of the mosquitoes thriving in and around the watering tanks on his farm. He ing colony, but the mosquitoes did not bell, that the first bat roost was built decrease in number. An investigation showed that the mosquitoes sang a note below high C, and the blind bats Another odd thing about bats is that they deposit their dead in bat The residents of the heights took up caves inhabited by bats and in the up this roost. roosts prove that the bats have a Summer homes and farms are now eeling for order and sanitation.

The remarkable value of bats as a city the country residents are taking health service was demonstrated in San' Antonio, when the malaria-infested swamp region around Lake world have become interested and Mitchell, where there was abundant duplicated the scientific construction the anatomy of the bat was found to grazing for cattle, was experimented of the roost as designed by Dr. Campbe in its relatively much larger on. It has been said that formerly it bell. The health boards of San-Anspleen. It is to this that Dr. Camp- was impossible to build fences around tonio, of Bexer county, and of the woman of radiant countenance with the bell attributes the ability of the bat this land bordering the lake strong state have investigated the matter int cog-wneel, number with raport, intager with grapes and wine-glass, armer with sickle and sheaf of her feet are doves of peace, a bound consume large numbers of engorged in the last ten years. dangerous on account of their germ- Texas passed the following resoluwheat, fisherman with rod and fish, oldier with helmet, chemist with bolowpipe and cook with steaming on the polyment of the continue of the contents of the c carrying propensities, but they were tion:

hours, as they returned to roost, that cattle, and the farm land is irrigated

ear of the bat is so delicate that disthe malarial parasite to develop in insect has been infected. With mil-So finely tuned is the ear drum of | lions of bats flying about each night Campbell ascertained this with the chance that a mosquito lives ten days

After the success of this campaign against malaria, bat roosts were established in the southwestern outsuccessful in ridding that portion of the city of mosquitoes that the state erected another at the Southwestern Insane Asylum in San Antonio. Anwere unable to hear and catch them. other was erected at the West Texas Military Academy in Alamo Heights. cemeteries. Heaps of bones found in a collection among themselves to put

taking up the idea and all about that this precaution against malaria. Famous naturalists all over the

"Whereas the world's greatest sanitarian, Gen. W. C. Gorgas; the board of health of the state of Texas, the San Antonio Medical Society and other sections have given this nat- oracles, foretold the future or inter- state, eagerly scanning columns of ural hygienic measure their unqualified indorsement; and

loss caused by malaria is sufficient to warrant the state and nation to give this natural hygienic measure full encouragement; therefore be it "Resolved by the house of repre-Texas indorse the work of Dr. Charles A. R. Campbell in his original and thoroughly scientific work, and respectfully suggest and commend his name as worthy of the greatest Nobel prize."

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THE malarial disease destroys almost as much life annually as lives, and the malarial mosquito lives Alaska. In tropical countries are actually tionale, 1459. shortened by the existence of in-

the use of members of the Senate for. The readers are young and old is a gold ground, on which are float- You will find the young student diliing female figures. Above the mantel is the shield of the Union, surmounted by the American eagle.

On the second floor are paintings of haired man who for years has been floating female figures, rendered in a student, while across the aisle is Pompeiian style on a vermillion background. These show the virtues of books for the benefit they confer upon fortitude, justice, industry, concordia. mankind. A few seats distant you prudence, courage, patriotism and will find two young girls reading \$ temperance. The other paintings book. It may be the latest piece of show wisdom, understanding, knowledge and philosophy. The small celling panels are symbolic of games ago. Here they sit afternoons and played by ancients. Printers' marks, nights some students, some readers the distinctive devices answering to and others who are in search of ideas trademarks used by printers and publishers, are used as motives.

In the vault above the west window are sculptures representing the sibyls, IN the section devoted to periodical ancient prophetesses who delivered preted omens. On the border of the the "home town paper. arch, in obverse and reverse, is the "Whereas the Italian government great seal of the United States. Lithas given special recognition to his erature and the fates are also depict-"Whereas the colossal economic historian, and J. J. Audubon, the nat-

uralist.
When the last check-up was made, there were 2,918,256 books and pamphlets in the library, and it is estimated that there will be more than 3.000,000 at the close of the present fiscal year. This, however, does not the Fourth of July and Christman include more than 2,000,000 other day. The library is also open on Sunitems, such as prints, maps, etc. There are more than eighty languages represented by books in the library, and Putnam, who has as his assistant Apif the dialects were included this pleton P. C. Griffin. These gentle-

hundred mark. The largest book: "The Birds of America," by John J. Audubon, London, 1827-38, 4 v 99 % cm. The smalltuberculosis and cancer, according to est book: Fitzgerald's translation of vital statistics. It is found every- the Rubaiyat by Omar Khayyam where that the malarial mosquito (thumb-nail size), published by Burrows. Brothers, Cleveland; also the asset, in every country in the world that New Testament (thumb-nail size), by has a warm season, including, even David Bryce & Son, Glasgow, Scot-Alaska. In tropical countries the land. The oldest book: Durantis Ra-

fact that foreigners often lose their That one may appreciate the imlives in Central Africa and other hot | mensity of the contents of the Con-

History, Mythology, Literature, Science and Art Have Contributed Their Best to the Making of the Famous Congressional Library, Visited by People of Washington and Crowds of Tourists.

one hundred and two miles of shelving. There are five main book stacks consisting of nine tiers.

The most famous collection of books comprises the John Boyd Thatcher collection of Incunabula. printed before 1500, and the Yudin collection of Russian books. The presidents of the United States

are represented by printed books and pamphlets, and all but two. John Adams and John Quincy Adams, are represented by manuscript collections. There is apparently no way of computing the number of people who visit the Congressional Library each year, and the number of books, pamphlet, etc., furnished to the members of the Senate and House of Representatives is held as a confidential matter by the librarian. However, it is known that works consulted by the lawmakers will run into the thousands each year, and in order that they may receive the books as speedily as possible there is an underground tunnel running from the library to the capitol, and a telephonic request from either house of Congress results in the desired volume or volumes being placed on a carrier and immediately dispatched from the li-brary to the Capitol, and a telephonic the laws are made.

DARTICULAR emphasis should be placed upon the excellence of the card-index system that is employed. By this modern method it is possible to locate any desired book in a very short time. The system has been pronounced by experts to be the best

present edifice books of the Congressional Library were housed in a section of the Capital just west of the rotunds, and owing to the lack of space it was indeed difficult to attempt any system of arrangement. This handicap, however, was overome to a great degree by the woncating any books. Spofford probawho, with one or two of his assistents, seldom had any trouble in locating any books. Spoffford probaother librarian who ever lived. Hundreds ves thousands of times, he was asked where such and such a quotation could be found, and he never failed to give the senator or representative the correct answer. This accomplishment on his part brought him in close contact with the nation's lawmakers, and he never failed to advocate the erection of a suitable building, with the result that finally money was appropriated for this purpose.

In the great rotunda thousands every year sit at the circular desks and read the books they have sent gently endeavoring to secure inforstudies. Next to him may be a graythe typical bookworm who loves fiction, a volume of ancient history or a work on the fashions of years that will help them in their daily oc-

are men and women from every

The Congressional Library is no place for those who are courting, because great signs bearing the word work and distinguished service, as ed. On the walls of the east corridor "silence" are placed in numerous well as other foreign countries; and are portraits of W. H. Prescott, the parts of every room, and while ochand squeeze between beau and maid, the majority of visitors to the it showed that on June 30 of last year Congressional Library reserve their manifestations of affection for other

> The library is open from 9 a.m. to 10 p.m. every day in the year except

The present librarian is Herbert number would run well over the one men receive valuable assistance from H. H. B. Meyer and Miss Florence Hellman.

> The Congressional Library is not circulating library. It is used for reference. It is not possible to measure in dollars and cents the value of the knowledge secured from this magnificent institution. It is a national

Size of an Atom.

DURING a lecture delivered before the Royal Society in London Sin Oliver Lodge gave a striking illustraatom. The amount of gold in sea water, although very small, seems considerable when stated in atoms, for a single drop